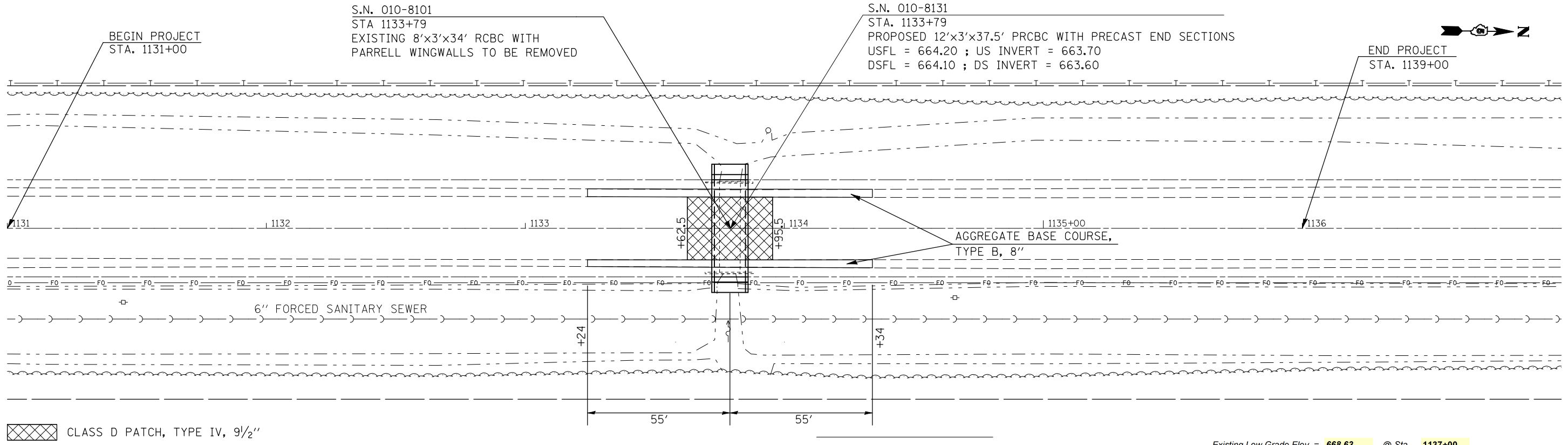


PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	

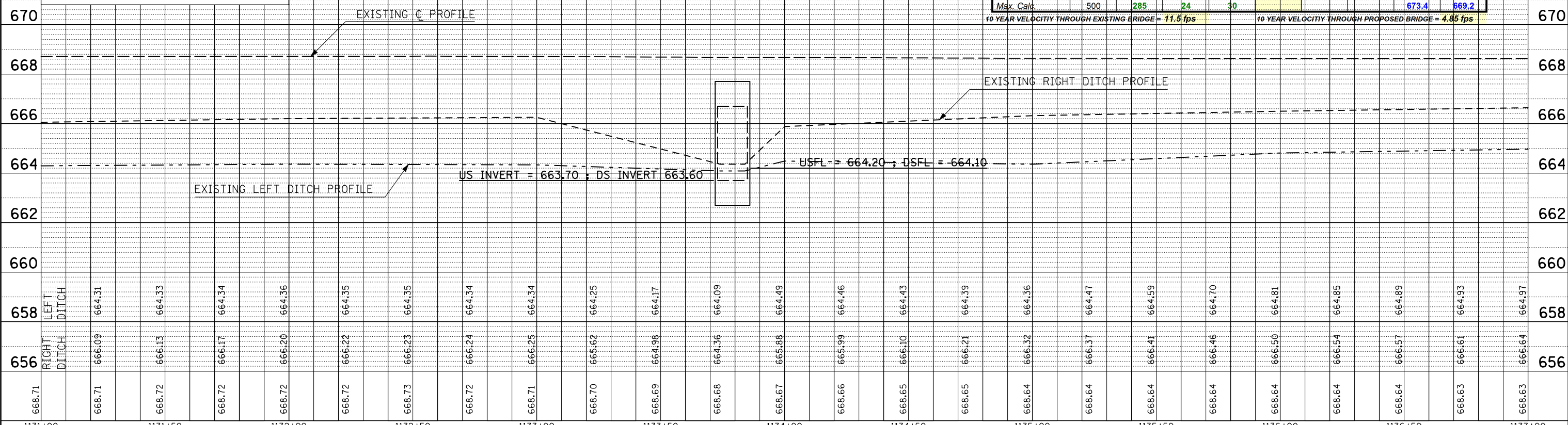
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	



CLASS D PATCH, TYPE IV, 9 1/2"

BENCHMARK 4839-1
CHISLED "□" ON THE NORTHEAST
SIDE OF CATCH BASIN AT SN 010-8101
STATION 1133+94.39, 36.64' LT.
ELEVATION = 664.47' (NAVD 1988)

Drainage Area = 0.6 mi. ²		Existing Low Grade Elev. = 668.63 @ Sta. 1137+00		Proposed Low Grade Elev. = 668.63 @ Sta. 1137+00					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Existing	Opening Sq. Ft. Proposed	Natural H.W.E.	Head - Ft. Existing	Head - Ft. Proposed	Headwater Elevation Existing	Headwater Elevation Proposed
10	10	114	24	29				667.6	666.6
Design	50	182	24	30				669.3	667.4
Base	100	213	24	30				670.2	667.8
Overtopping									
Max. Calc.	500	285	24	30				673.4	669.2
10 YEAR VELOCITY THROUGH EXISTING BRIDGE = 11.5 fps					10 YEAR VELOCITY THROUGH PROPOSED BRIDGE = 4.85 fps				



668.71	668.71	668.72	668.72	668.72	668.72	668.73	668.72	668.71	668.70	668.69	668.68	668.67	668.66	668.65	668.65	668.64	668.64	668.64	668.64	668.64	668.63	668.63
1131+00	1131+50	1132+00	1132+50	1133+00	1133+50	1134+00	1134+50	1135+00	1135+50	1136+00	1136+50	1137+00										

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 1131+00.00 TO STA. 1137+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
836	119CR	CHAMPAIGN	29	15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 70698